

L Number	Hits	Search Text	DB	Time stamp
1	2206	disrupt\$6 near11 homologous near3 recombinat\$6	USPAT; US-PGPUB	2003/12/03 12:35
2	0	(disrupt\$6 near11 homologous near3 recombinat\$6) same (EST or express\$ adj1 sequence adj1 tag\$1)	USPAT; US-PGPUB	2003/12/03 12:36
3	837	(disrupt\$6 near11 homologous near3 recombinat\$6) and (EST or express\$ adj1 sequence adj1 tag\$1)	USPAT; US-PGPUB	2003/12/03 12:37

(FILE 'HOME' ENTERED AT 10:54:53 ON 03 DEC 2003)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 10:57:28 ON 03 DEC 2003  
L1       1401 S PG1 OR PG(W)1  
L2       1 S L1 AND ACYLTRANSFERASE#  
L3       299 S LYSOPHOSPHATIDIC (9A) ACYLTRANSFERASE#  
L4       1 S L3 AND EPSILON  
L5       16 S L1 AND PROSTATE (3A) CANCER  
L6       11 DUP REM L5 (5 DUPLICATES REMOVED)

FILE 'CAPLUS' ENTERED AT 11:13:43 ON 03 DEC 2003  
L7       0 S 6265546  
L8       1 S US6265546  
L9       1 S L8 AND SEQUENCE

FILE 'REGISTRY' ENTERED AT 11:16:12 ON 03 DEC 2003  
L10      1 S 73989-05-6/RN  
          SET NOTICE 1 DISPLAY  
          SET NOTICE LOGIN DISPLAY

FILE 'REGISTRY' ENTERED AT 11:17:55 ON 03 DEC 2003  
L11      12 S GAGCGGGAGCAGGACAGACAATAACTGATA/SQSN

FILE 'CAPLUS' ENTERED AT 11:19:04 ON 03 DEC 2003  
L12      3 S L11

FILE 'STNGUIDE' ENTERED AT 11:21:12 ON 03 DEC 2003

FILE 'CAPLUS' ENTERED AT 11:35:37 ON 03 DEC 2003  
L13      1 S 453658-92-9/RN  
L14      0 S L13 AND GENBANK

=>

\* \* \* \* \* \* \* \* \* \* \* \* \* Welcome to STN International \* \* \* \* \* \* \* \* \*

<u>NEWS 1</u>	Web Page URLs for STN Seminar Schedule - N. America
<u>NEWS 2</u>	"Ask CAS" for self-help around the clock
<u>NEWS 3</u> SEP 09	CA/CAplus records now contain indexing from 1907 to the present
<u>NEWS 4</u> AUG 05	New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
<u>NEWS 5</u> AUG 13	Field Availability (/FA) field enhanced in BEILSTEIN
<u>NEWS 6</u> AUG 18	Data available for download as a PDF in RDISCLOSURE
<u>NEWS 7</u> AUG 18	Simultaneous left and right truncation added to PASCAL
<u>NEWS 8</u> AUG 18	FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation
<u>NEWS 9</u> AUG 18	Simultaneous left and right truncation added to ANABSTR
<u>NEWS 10</u> SEP 22	DIPPR file reloaded
<u>NEWS 11</u> SEP 25	INPADOC: Legal Status data to be reloaded
<u>NEWS 12</u> SEP 29	DISSABS now available on STN
<u>NEWS 13</u> OCT 10	PCTFULL: Two new display fields added
<u>NEWS 14</u> OCT 21	BIOSIS file reloaded and enhanced
<u>NEWS 15</u> OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
<u>NEWS 16</u> NOV 24	MSDS-CCOHS file reloaded
<u>NEWS EXPRESS</u>	NOVEMBER 14 CURRENT WINDOWS VERSION IS V6.01c, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 23 SEPTEMBER 2003
<u>NEWS HOURS</u>	STN Operating Hours Plus Help Desk Availability
<u>NEWS INTER</u>	General Internet Information
<u>NEWS LOGIN</u>	Welcome Banner and News Items
<u>NEWS PHONE</u>	Direct Dial and Telecommunication Network Access to STN
<u>NEWS WWW</u>	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\* \* \* \* \* \* \* \* \* \* \* \* \* STN Columbus \* \* \* \* \* \* \* \* \* \* \* \* \*

FILE 'HOME' ENTERED AT 12:37:19 ON 03 DEC 2003

=> file medline biosis caplus		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 12:37:27 ON 03 DEC 2003

FILE 'BIOSIS' ENTERED AT 12:37:27 ON 03 DEC 2003  
COPYRIGHT (C) 2003 BIOLOGICAL ABSTRACTS INC. (R)

FILE 'CAPLUS' ENTERED AT 12:37:27 ON 03 DEC 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

=> s disrupt? (9a) homolog? (9a) recombin?

L1 1377 DISRUPT? (9A) HOMOLOG? (9A) RECOMBIN?

=> # 11 and (EST or express(w) sequence)  
L2 4 L1 AND (EST OR EXPRESS(W) SEQUENCE)

=> d 1-4 ti

L2 ANSWER 1 OF 4 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN  


TI The DT40 web site: Sampling and connecting the genes of a B cell line.

L2 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN  


TI Endocrine disruptor screening using DNA chips of endocrine disruptor-responsive genes

L2 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN  


TI The DT40 web site: sampling and connecting the genes of a B cell line

L2 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN  


TI Moss (*Physcomitrella patens*) expressed sequence tags include several sequences which are novel for plants

=> d 3 bib ab

L2 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN  


AN 2002:129791 CAPLUS

DN 136:145956

TI The DT40 web site: sampling and connecting the genes of a B cell line

AU Buerstedde, Jean-Marie; Arakawa, Hiroshi; Watahiki, Akira; Carninci, Piero; Hayashizaki, Y. Yoshihide; Korn, Bernhard; Plachy, Jiri

CS Dep. Cellular Immunology, Heinrich-Pette-Inst., Hamburg, 20251, Germany

SO Nucleic Acids Research (2002), 30(1), 230-231

CODEN: NARHAD; ISSN: 0305-1048

PB Oxford University Press

DT Journal

LA English

AB Thousands of new vertebrate genes have been discovered and genetic systems are needed to address their functions at the cellular level. The chicken B cell line DT40 allows efficient gene **disruptions** due to its high **homologous recombination** activity. However, cloning the gene of interest is often cumbersome, since relatively few chicken cDNA sequences are present in the public databases. In addn., the accumulation of multiple mutations within the same cell clone is limited by the consumption of one drug-resistance marker for each transfection. Here, the authors present the DT40 web site (<http://genetics.hpi.uni-hamburg.de/dt40.html>), which includes a comprehensive database of chicken bursal ESTs to identify disruption candidate genes and recyclable marker cassettes based on the loxP system. These freely available resources greatly facilitate the anal. of genes and genetic networks.

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 3 kwic

L2 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2003 ACS on STN

AB . . . systems are needed to address their functions at the cellular level. The chicken B cell line DT40 allows efficient gene **disruptions** due to its high **homologous recombination** activity. However, cloning the gene of interest is often cumbersome, since relatively few chicken cDNA sequences are present in the. . .  
 ST chicken B cell line DT40 **EST** database; gene expression database chicken B cell line DT40; expressed sequence tag database chicken B cell line DT40  
 IT **EST** (expressed sequence tag)  
 Gene, animal  
 RL: BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)  
 (expressed sequence tags in the DT40 web site provides sampling and connecting of the genes of a chicken bursal B cell line)

=> dhis

DHIS IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.  
 For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (>).

=> d his

(FILE 'HOME' ENTERED AT 12:37:19 ON 03 DEC 2003)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 12:37:27 ON 03 DEC 2003  
 L1 1377 S DISRUPT? (9A) HOMOLOG? (9A) RECOMBIN?  
 L2 4 S L1 AND (EST OR EXPRESS(W)SEQUENCE)

=> s l1 and (EST# or express(w)sequence)  
 L3 10 L1 AND (EST# OR EXPRESS(W) SEQUENCE)

=> dup rem l3  
 PROCESSING COMPLETED FOR L3  
 L4 7 DUP REM L3 (3 DUPLICATES REMOVED)

=> d 1-7 ti

L4 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN

TI Endocrine disruptor screening using DNA chips of endocrine disruptor-responsive genes

L4 ANSWER 2 OF 7 MEDLINE on STN DUPLICATE 1

TI The DT40 web site: sampling and connecting the genes of a B cell line.

L4 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN

TI Colletotrichum gloeosporioides pelB is an important virulence factor in avocado fruit-fungus interaction

L4 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN

**QUESTION**  
**ANSWER**

TI SodA and manganese are essential for resistance to oxidative stress in growing and sporulating cells of *Bacillus subtilis*

L4 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN

**QUESTION**  
**ANSWER**

TI A yeast mutant lacking thiol-dependent protector protein is hypersensitive to menadione

L4 ANSWER 6 OF 7 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN

**QUESTION**  
**ANSWER**

DUPPLICATE 2

TI Moss (*Physcomitrella patens*) expressed sequence tags include several sequences which are novel for plants.

L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN

**QUESTION**  
**ANSWER**

TI The lipase gene of *Bacillus subtilis* 168

=> d 7 bib ab

L4 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS on STN

**Full** **Search**  
**Text** **Abstract**

AN 1992:167540 CAPLUS

DN 116:167540

TI The lipase gene of *Bacillus subtilis* 168

AU Colson, C.; Dartois, V.; Schanck, K.; Baulard, A.

CS Lab. Genet. Microb., Univ. Cathol. Louvain, Louvain-la-Neuve, B-1348, Belg.

SO GBF Monographs (1991), 16(Lipases), 277-83

CODEN: GBMOEB; ISSN: 0930-4320

DT Journal

LA English

AB Shotgun cloning of *B. subtilis* 168 DNA in *Escherichia coli* yielded two types of lipase-pos. clones designated lipA and lipB. However, the lipB enzyme was an esterase, on the basis of the preferential cleavage of esters of short chain fatty acids and of the absence of fluorescent reaction on triolein/rhodamin G medium. By multiple Tn5 transposon inactivations, gene lipA was **estd.** to be about 700 base pairs long. Both genes were inactivated in *B. subtilis* by reciprocal **recombination** with the **homologous** gene **disrupted** in vitro by a DNA segment contg. antibiotic resistance (lipA::Km; lipB::Cm). The resulting strain expressed very little residual extracellular lipase-esterase activity. Mapping expts. indicated that lipA is a new locus at about 22°, whereas lipB, at about 306°, could correspond to an esterase gene (**estB**) previously described.

=> d his

(FILE 'HOME' ENTERED AT 12:37:19 ON 03 DEC 2003)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 12:37:27 ON 03 DEC 2003

L1 1377 S DISRUPT? (9A) HOMOLOG? (9A) RECOMBIN?  
 L2 4 S L1 AND (EST OR EXPRESS(W) SEQUENCE)  
 L3 10 S L1 AND (EST# OR EXPRESS(W) SEQUENCE)  
 L4 7 DUP REM L3 (3 DUPLICATES REMOVED)

=> s L1 and random (3a) sequence#  
 L5 1 L1 AND RANDOM (3A) SEQUENCE#

=> d bib ab

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

Full  Abstract  
 Text  References

AN 2003:97548 CAPLUS  
 DN 138:148653  
 TI Methods for in-frame gene **disruption** by **homologous recombination** and uses for gene discovery  
 IN Awrey, Donald E.; Greenblatt, Jack  
 PA Affinium Pharmaceuticals Inc., Can.  
 SO PCT Int. Appl., 56 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	-----	-----	-----	-----
<u>WO 2003010333</u>	A2	20030206	<u>WO 2002-CA1160</u>	20020724
<u>WO 2003010333</u>	A3	20031030		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM  
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

<u>US 2003082591</u>	A1	20030501	<u>US 2002-202442</u>	20020724
<u>US 2001-307461P</u>	P	20010724		

PRAI AB The present invention relates to compns. and methods for in-frame **disruption** of a gene sequence by **homologous recombination**. Specifically, the invention uses a targeting polynucleotide comprising a mol. tag, which maybe a **random sequence** that does not occur in the host cell or a sequence encoding for a protein capable of generating a selectable or detectable signal, and flanking homol. clamps for in-frame disruption of a target gene. The present invention may be used in certain embodiments to disrupt a gene without causing any downstream effects on non-target sequences. In certain embodiments, the inventive methods may be used to identify and/or characterize products encoded by essential genes, conditionally essential genes, and non-essential genes.

=> d his

(FILE 'HOME' ENTERED AT 12:37:19 ON 03 DEC 2003)

FILE 'MEDLINE, BIOSIS, CAPLUS' ENTERED AT 12:37:27 ON 03 DEC 2003  
 L1 1377 S DISRUPT? (9A) HOMOLOG? (9A) RECOMBIN?  
 L2 4 S L1 AND (EST OR EXPRESS (W) SEQUENCE)  
 L3 10 S L1 AND (EST# OR EXPRESS (W) SEQUENCE)  
 L4 7 DUP REM L3 (3 DUPLICATES REMOVED)  
 L5 1 S L1 AND RANDOM (3A) SEQUENCE#

=> s l1 and (arbitrar? or random?)  
 L6 17 L1 AND (ARBITRAR? OR RANDOM?)

=> dup rem l6  
 PROCESSING COMPLETED FOR L6  
 L7 12 DUP REM L6 (5 DUPLICATES REMOVED)

=> d 1-12 ti

L7 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

[REDACTED]

TI Methods for in-frame gene **disruption** by **homologous recombination** and uses for gene discovery

L7 ANSWER 2 OF 12 MEDLINE on STN

[REDACTED]

TI PCR-based methods facilitate targeted gene manipulations and cloning procedures.

L7 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

[REDACTED]

TI Biological significance of poly (ADP-ribosyl)ation reactions: molecular and genetic approaches

L7 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

[REDACTED]

TI Construction of the glucose isomerase deficient strain of Streptomyces M1033 by homologous recombination

L7 ANSWER 5 OF 12 MEDLINE on STN DUPLICATE 1

[REDACTED]

TI The absence of cecal colonization of chicks by a mutant of Campylobacter jejuni not expressing bacterial fibronectin-binding protein.

L7 ANSWER 6 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

[REDACTED]

TI Recombination in the plant genome and its application in biotechnology

L7 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

[REDACTED]

TI Insertion-duplication mutagenesis in Streptococcus pneumoniae: targeting fragment length is a critical parameter in use as a **random** insertion tool

L7 ANSWER 8 OF 12 MEDLINE on STN DUPLICATE 2

[REDACTED]

TI Targeted disruption of Gnas in embryonic stem cells.

L7 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

TI An in vivo method for the detection of microbial virulence genes expressed during the infection of a host

L7 ANSWER 10 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

TI Immunological screening of homologous recombination in genes that encode surface antigens

L7 ANSWER 11 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

TI Gene targeting in the Ke4 locus of the mouse in embryonic stem cells

L7 ANSWER 12 OF 12 MEDLINE on STN

DUPLICATE 3

TI Insertion and deletion mutagenesis of the human cytomegalovirus genome.

=> d 10 11 7 8 bib a

'A' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):d 10 11 7 8 bib ab

'D' IS NOT A VALID FORMAT

'10' IS NOT A VALID FORMAT

'11' IS NOT A VALID FORMAT

'7' IS NOT A VALID FORMAT

'8' IS NOT A VALID FORMAT

In a multifile environment, a format can only be used if it is valid in at least one of the files. Refer to file specific help messages or the STNGUIDE file for information on formats available in individual files.

REENTER DISPLAY FORMAT FOR ALL FILES (FILEDEFAULT):end

=> d 7, 8, 10, 11 bib ab

L7 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2003 ACS on STN

Full  Summary   
Text  References

AN 1998:799233 CAPLUS

DN 130:149237

TI Insertion-duplication mutagenesis in *Streptococcus pneumoniae*: targeting fragment length is a critical parameter in use as a **random** insertion tool

AU Lee, Myeong S.; Seok, Chaok; Morrison, Donald A.

CS Laboratory for Molecular Biology, Department of Biological Sciences, University of Illinois at Chicago, Chicago, IL, 60607, USA

SO Applied and Environmental Microbiology (1998), 64(12), 4796-4802  
CODEN: AEMIDF; ISSN: 0099-2240

PB American Society for Microbiology

DT Journal

LA English

AB To examine whether insertion-duplication mutagenesis with chimeric DNA as a transformation donor could be valuable as a gene knockout tool for genomic anal. in Streptococcus pneumoniae, the authors studied the transformation efficiency and targeting specificity of the process by using a nonreplicative vector with homologous targeting inserts of various sizes. Insertional recombination was very specific in targeting homologous sites. While the recombination rate did not depend on which site or region was targeted, it did depend strongly on the size of the targeting insert in the donor plasmid, in proportion to the fifth power of its length for inserts of 100 to 500 bp. The dependence of insertion-duplication events on the length of the targeting homol. was quite different from that for linear allele replacement and places certain limits on the design of mutagenesis expts. The no. of independent pneumococcal targeting fragments of uniform size required to knock out any desired fraction of the genes in a model genome with a defined probability was calcd. from these data by using a combinatorial theory with simplifying assumptions. The results show that efficient and thorough mutagenesis of a large part of the pneumococcal genome should be practical when using insertion-duplication mutagenesis.

RE.CNT 33 THERE ARE 33 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7	ANSWER 8 OF 12	MEDLINE on STN	DUPLICATE 2
	<input checked="" type="checkbox"/> Full Text	<input checked="" type="checkbox"/> Citation	
AN	97462685	MEDLINE	
DN	97462685	PubMed ID: 9322912	
TI	Targeted disruption of Gnas in embryonic stem cells.		
AU	Schwindinger W F; Reese K J; Lawler A M; Gearhart J D; Levine M A		
CS	Division of Endocrinology and Metabolism, The Johns Hopkins University School of Medicine, Baltimore, Maryland 21205, USA.. <a href="mailto:wschwind@welchlink.welch.jhu.edu">wschwind@welchlink.welch.jhu.edu</a>		
NC	DK-34281 (NIDDK) RR-00052 (NCRR) RR-00722-22S1 (NCRR)		
SO	ENDOCRINOLOGY, (1997 Oct) 138 (10) 4058-63. Journal code: 0375040. ISSN: 0013-7227.		
CY	United States		
DT	Journal; Article; (JOURNAL ARTICLE)		
LA	English		
FS	Abridged Index Medicus Journals; Priority Journals		
EM	199710		
ED	Entered STN: 19971105 Last Updated on STN: 20000303 Entered Medline: 19971023		
AB	Mutations in the gene encoding the stimulatory G protein of adenylyl cyclase (G alpha(s)) are present in subjects with Albright hereditary osteodystrophy, a syndrome of characteristic developmental defects and, in some patients, resistance to multiple hormones that stimulate cAMP accumulation (pseudohypoparathyroidism type Ia). As the first step in generating a model of Albright hereditary osteodystrophy, the gene encoding G alpha(s) (Gnas) was <b>disrupted</b> in mouse embryonic stem (ES) cells by <b>homologous recombination</b> . Northern blot analysis and immunoblot analysis demonstrated that steady-state levels of G alpha(s) messenger RNA and G alpha(s) protein in targeted ES cells were approximately 50% of levels in untargeted ES cells. In response to 10 microM forskolin and to various concentrations of isoproterenol (0.1-3.0 microM), cAMP accumulation was reduced in the G alpha(s) knockout ES cell lines, relative to wild-type ES cells and to five of six ES cell lines with <b>randomly</b> integrated targeting vector. These results support the		

  Nucleotide

Entrez PubMed Nucleotide Protein Genome Structure PMC Taxonomy Bio

Search **Nucleotide** for

Limits Preview/Index History Clipboard Details

Display **default** Show: **20**  **File**

1: N39909.yw68a10.r1 Soares...[gi:1163454]

[Links](#)

#### IDENTIFIERS

**dbEST Id:** **441359**  
 EST name: **yw68a10.r1**  
 GenBank Acc: **N39909**  
 GenBank gi: **1163454**  
 GDB Id: **3886980**

#### CLONE INFO

Clone Id: IMAGE:257370 (5')  
 DNA type: cDNA

#### PRIMERS

Sequencing: T7  
 PolyA Tail: Unknown

#### SEQUENCE

GTTGATCTTAAGTGGTTGACTGCAGGCATGCTTATGACCGATGCTGGAAGGAAGCTGTA  
 TGTGAACACCTGGATATATGGAACCTACTTGGCTGCCGTGGGTTACTATTAAAGCATA  
 GACAAGTAGCTGTCTCCAGACAGTGGATGTGCTACATTGCTATTGGCGGCTGCAC  
 ATGACATCAAATTGTTCTGAATTATTAAGGAGTGTAAATAAGCCTTGGTATTGAA  
 GATTGGATAATAGAATTGTGACGAAAGCTGATATGCAATGGCTTGGGCAAACATACCT  
 GGTGTACAACCTTAGCATCGGGCTGCTGGAAGGGTAAAGCTAAATGGAGTTCTCCT  
 GCTCTGTCCATTCTCATGAACTATGACAACCTGGAGAAGGCTGGAGGATTGTGTATT  
 TTGCCAACGTCAAGATGGCTGCATTTGAGCCATTAATTGCCAGCGTATTCACTTTNC  
 TGGTAATTNCAATTAAATTACAACCTGACAGCTCCANCTTTAATACCAAAGNT  
 Quality: High quality sequence stops at base: 413

Entry Created: Jan 22 1996  
 Last Updated: Jan 22 1996

#### COMMENTS

High quality sequence stops: 413  
 Source: IMAGE Consortium, LLNL  
 This clone is available royalty-free through LLNL ; contact  
 the IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further  
 information.

#### LIBRARY

Lib Name: Soares\_placenta\_8to9weeks\_2NbHP8to9W  
 Organism: Homo sapiens  
 Organ: placenta  
 Develop. stage: two placentae: one from 8 weeks and another from 9 weeks  
 post conception  
 Lab host: DH10B (ampicillin resistant)  
 Vector: pT7T3D (Pharmacia) with a modified polylinker  
 R. Site 1: Not I  
 R. Site 2: Eco RI

Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGGCCGCGATTTTTTTTTTTT 3'], double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library constructed by Bento Soares and M.Fatima Bonaldo.

**SUBMITTER**

Name: Wilson RK  
Institution: Washington University School of Medicine  
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
E-mail: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)

**CITATIONS**

Title: The WashU-Merck EST Project  
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P., Wilson,R.  
Year: 1995  
Status: Unpublished

**MAP DATA**

---

[Disclaimer](#) | [Write to the Help Desk](#)  
[NCBI](#) | [NLM](#) | [NIH](#)

Dec 1 2003 12:53:28



Entrez	PubMed	Nucleotide	Protein	Genome	Structure	PMC	Taxonomy	Book
Search <input type="text" value="Nucleotide"/> for <input type="button" value="Go"/>				<input type="button" value="Clear"/>				
		Limits	Preview/Index		History	Clipboard	Details	
Display <input type="button" value="default"/>		Show: <input type="button" value="20"/>	<input type="button" value="Send to"/> File <input type="button" value="File"/>					

1: H06164. yl77g12.r1 Soares...[gi:869716]

Links

#### IDENTIFIERS

**dbEST Id:** 266044  
 EST name: yl77g12.r1  
 GenBank Acc: H06164  
 GenBank gi: 869716  
 GDB Id: 416805

#### CLONE INFO

Clone Id: IMAGE:44264 (5')  
 Insert length: 2510  
 DNA type: cDNA

#### PRIMERS

Sequencing: M13RP1  
 PolyA Tail: Unknown

#### SEQUENCE

TTAATTCCAAATTAAGTATCAAGAAGACTTACCATCAATGTTGATCTTAAGTGGTTGA  
 CTGCAGGCATGCTTATGACCGATGCTGGAAGGAAGCTGTATGTGACACCTGGATATATG  
 GAACCCCTACTTGGCTGCTGTGGTTACTATTAAAGCATAGACAAGTAGCTGTCTCCAGA  
 CAGTGGGATGTGCTACATTGTCTATTGGCGGCTGCACATGACATCAAATTGTTCT  
 GAATTATTAAGGAGTGAAATAAGCCTGTTGATTGAAGATTGGATAATAGAATTGTTG  
 GACGAAAGCTGATATGCAATGGCTTGGGCAAACATACTGGGTGTACAACCTTAGCA  
 TCGGGGCTGCTGGAAGGGTAAAGCTTAAATGGGAGTTCTCCCTGGNTCTGTTCCCT  
 T

Quality: High quality sequence stops at base: 316

Entry Created: Jun 21 1995  
 Last Updated: Jun 21 1995

#### COMMENTS

Insert Size: 2510  
 High quality sequence stops: 316  
 Source: IMAGE Consortium, LLNL  
 This clone is available royalty-free through LLNL ; contact  
 the IMAGE Consortium ([info@image.llnl.gov](mailto:info@image.llnl.gov)) for further  
 information.

#### LIBRARY

Lib Name: Soares infant brain 1NIB  
 Organism: Homo sapiens  
 Sex: female  
 Organ: whole brain  
 Develop. stage: 73 days post natal  
 Lab host: DH10B (ampicillin resistant)  
 Vector: Lafmid BA  
 R. Site 1: Not I

R. Site 2: Hind III  
Description: 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' AACTGGAAGAATTGGCGGCCGCAGGAATTTTTTTTTTTTT 3']; double-stranded cDNA was ligated to Hind III adaptors (Pharmacia), digested with Not I and directionally cloned into the Not I and Hind III sites of the Lafmid BA vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo.

**SUBMITTER**

Name: Wilson RK  
Institution: Washington University School of Medicine  
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108  
Tel: 314 286 1800  
Fax: 314 286 1810  
E-mail: [est@watson.wustl.edu](mailto:est@watson.wustl.edu)

**CITATIONS**

Title: The WashU-Merck EST Project  
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P., Wilson,R.  
Year: 1995  
Status: Unpublished

**MAP DATA**

---

[Disclaimer](#) | [Write to the Help Desk](#)  
[NCBI](#) | [NLM](#) | [NIH](#)

Nov 21 2003 07:32:41